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54 Title of the Device: Portion container

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SPECIFICATION

1. Title of the Device

Portion container

2. Utility Model Claim

A portion container characteristically comprising

a container main body **2** having an upper surface opening and formed by extending an outwardly directed flange **7** from the upper end of a peripheral wall **6** that rises up from the peripheral edge of a bottom wall **5**;

a frame **3** that fits into and is housed in a depression **9** that is formed by depressing the inner peripheral edge side of at least the front region of the upper surface of the outwardly directed flange **7** downward along the inner peripheral edge; and

a sheet-form cover **4** that covers an opening **8** of the container main body **2** and that at the outer rim of its lower surface seals to the upper surface of the outwardly directed flange **7** and the upper surface of the frame **3**, and

having a pair of thinned-section hinges **10** on the right and left of the frame **3**.

3. Detailed Description of the Device

Field of Industrial Applicability

The present device relates to a small portion container for holding, for example, milk.

Prior Art and Problem to Be Solved by the Device

Portion containers have heretofore generally taken the form of a portion container in which an easy-peel sheet-form cover is sealed to the flange region of a closed-bottom container main body that has an outwardly directed flange extending from the upper end of a peripheral wall.

These containers are constructed in such a manner that the contained liquid may be poured out and used by gripping an edge of the cover and separating all or a portion of the seal with the container main body. However, once the cover has been peeled off, the secure re-application of the cover on the container main body is then quite difficult, which is inconvenient when it is desired to store a portion of the contents.

The present device was pursued in view of this problem with the prior art. An object of the present device is to provide a portion container that, even after it has been opened, makes possible a secure re-application of the cover on the container main body with little risk of the contained liquid leaking out.

Means Solving the Problem

A portion container characteristically

comprising

a container main body **2** having an upper surface opening and formed by extending an

outwardly directed flange **7** from the upper end of a peripheral wall **6** that rises up from the peripheral edge of a bottom wall **5**;

a frame **3** that fits into and is housed in a depression **9** that is formed by depressing the inner peripheral edge side of at least the front region of the upper surface of the outwardly directed flange **7** downward along the inner peripheral edge; and

a sheet-form cover **4** that covers the opening **8** of the container main body **2** and that at the outer rim of its lower surface seals to the upper surface of the outwardly directed flange **7** and the upper surface of the frame **3**, and

having a pair of thinned-section hinges **10** on the right and left of the frame **3**.

Function

With reference to the embodiment shown in Figure 3, when the tab **11** is gripped and pulled rearward, the seal between the cover **4** and the flange **7** of the container main body **2** is separated and the frame **3** is then stood up from the region of the thinned-section hinges **10** to open the cover as shown in Figure 2.

In instances where it is desired to use a portion of the contents and store the remainder, when the cover **4** is reclosed the depression **9** securely fits with the outer peripheral edge of the frame **3** and there is then little risk of liquid leakage.

Example

An example of the present device is described below with reference to the drawings.

Figures 1 to 3 show an example of the present device, wherein **1** in the figures denotes a portion container. This container **1** is composed of a container main body **2**, a frame **3**, and a cover **4**.

The container main body **2** is formed from, for example, a synthetic resin, and has a

cylindrical shape that has an opening **8** at an upper surface wherein an outwardly directed flange **7** extends from the upper end of a peripheral wall **6** that rises up from the peripheral edge of a bottom wall **5**. In addition, a depression **9** capable of housing the frame **3** is formed in the outwardly directed flange **7** of the container main body **2**. This depression **9** has the shape of a ring formed by depressing the inner peripheral edge side of the upper surface of the outwardly directed flange **7** downward along the inner peripheral edge, and has a depth such that, when the frame **3** is housed, its upper surface resides at approximately the same height as the upper surface of the outwardly directed flange **7** of the container main body **2**.

The frame **3** is formed from, for example, a synthetic resin; has a ring shape that tapers toward the front; has disposed in the lower surface of its front region a pair of thinned-section hinges **10** on the right and left; and, by the fitting of its outer periphery into the depression **9** of the container main body **2**, resides housed therein.

In addition, the cover **4** is formed of a metal, for example, aluminum, or a laminate of a metal and a synthetic resin; has an outer shape that is approximately the same as the planar shape of the container main body **2**; is a sheet that has a peeling tab **11** disposed as a projection at a tip; and seals the lower surface of its outer rim with the upper surface of the outwardly directed flange **7** of the container main body **2** and the upper surface of the ring-shaped frame **3** and thereby covers the opening **8** of the container main body **2**.

The depression has a ring shape in the example given in the preceding, but is not limited to this, and any shape is sufficient in which at least the inner peripheral edge side of the upper surface of the front part of the flange is depressed downward, in which case the shape of the frame is also altered in conformity thereto.

Effect of the Device

As has been described in the preceding, because the container according to the present device has the structure described in the preceding, when it is desired once the container has

been opened to use a portion of the contents and keep the remainder and the cover is reclosed in such a case, there is very little risk of liquid leakage since the frame fits securely with the depression.

4. Brief Description of the Drawings

The figures illustrate an example of the present device, wherein Figure 1 is an exploded perspective view that shows an example of the portion container according to the present device; Figure 2 is a perspective view that shows the state with the cover opened; and Figure 3 is a longitudinal sectional view.

2 ..... container main body

3 ..... frame

4 ..... cover

Figure 1.

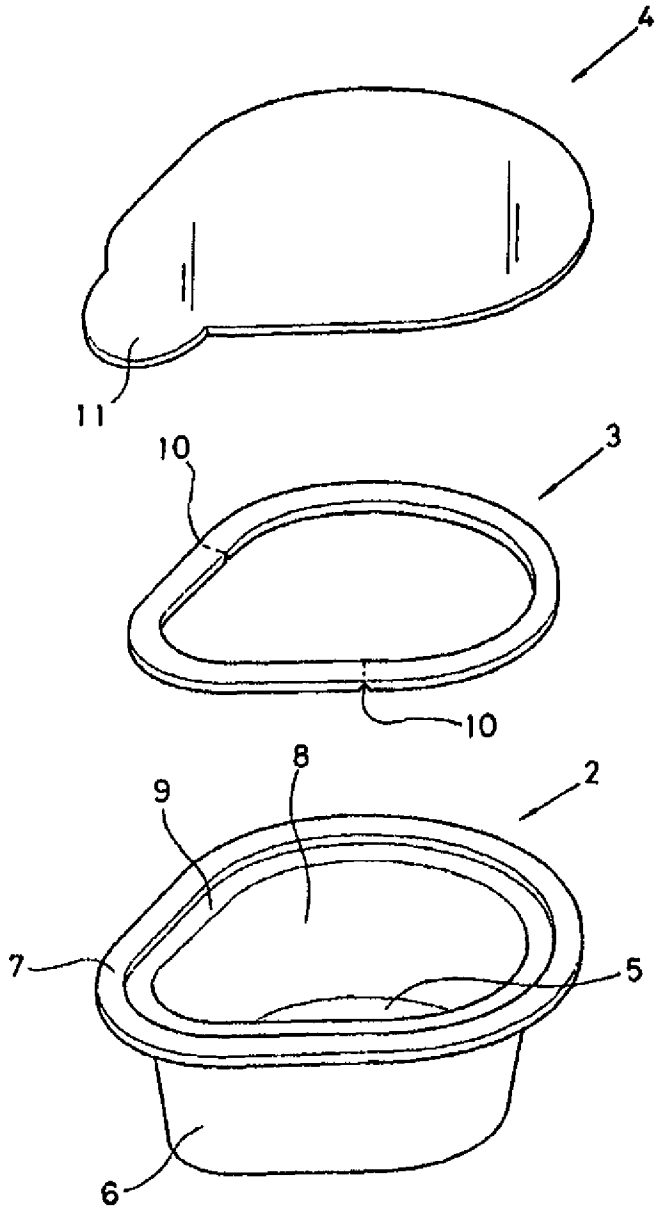

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Figure 2.

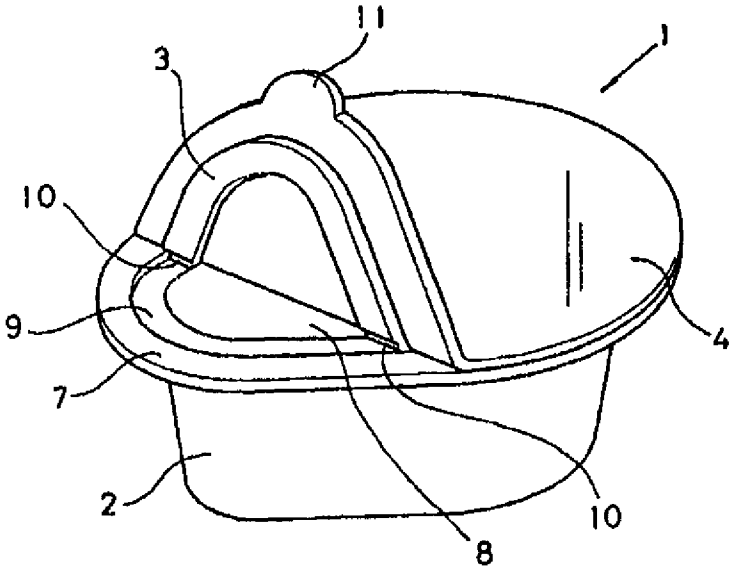
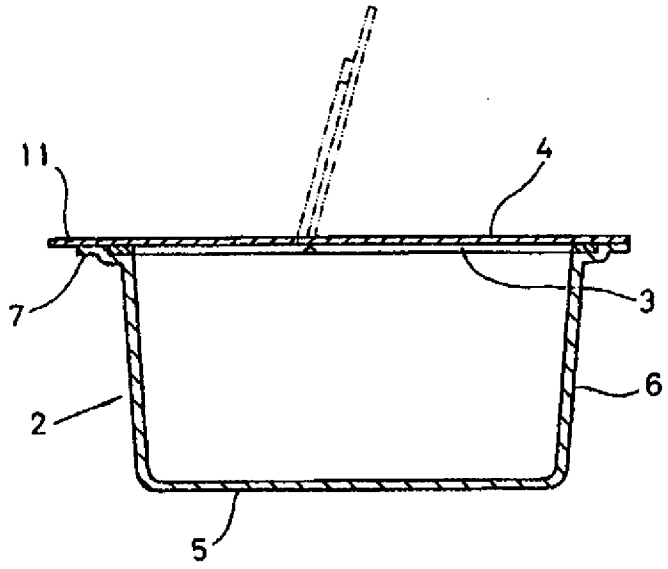


Figure 3.



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